Building packages for

Tryton

Introduction to

Open Build Service

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(with material from OpenBuildService)
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Member of openSUSE project
Package maintainer for (among others) Tryton and GNU Health (Live-CD)

Supported education project: Favela Education (.org)
Supported medical project: GNU Health
Open Build Service
The easy way to packages
¿¿ whatever.tar.gz ??

docb@T520:~> ./configure

docb@T520:~> make

docb@T520:~> make install

docb@T520:~> pip install
Open Build Service
Meat and Potatoes
Formats

DEB  RPM  PKGBUILD
Distributions

- Arch Linux
- CentOS
- Debian
- Red Hat
- Fedora
- OpenSUSE
- Mandriva
- Ubuntu
Architectures

- PPC
- MIPS
- S390
- X86
- ARM
- HPPA
- IA64
Output

- **PACKAGE**
- **DVD**
- **REPOSITORY**
- **IMAGE**
Open Build Service
Jumpstart
Overview

- Hermes Web UI
- Web UI
- Command Line Client
- Your Client
- OBS API (api.opensuse.org)
- User controller, Database, Search, ...
- Notification Server
- Installer (YaST, etc.)
- Mirror Interface
- Storage
  - Build Host
  - Build Host
  - Build Host
  - Build Host
  - Build Host
  - Build Host
- Backend
## Project Model – Build for repositories

**Add Repositories to Project home:DocB**

Please choose the repositories that your packages will be built for by following default list. Or pick one via advanced interface.

### openSUSE distributions
- openSUSE Factory
- openSUSE 13.2
- openSUSE 13.1
- openSUSE 12.3
- openSUSE 12.2
- openSUSE Factory ARM
- openSUSE Tumbleweed

### SUSE Linux Enterprise distributions
- SUSE SLE-12
- SUSE SLE-11 SP 3
- SUSE SLE-11 SP 2
- SUSE SLE-10

### Arch distributions
- Arch Core
- Arch Extra

### Debian distributions
- Debian 7.0
- Debian 6.0

### Fedora distributions
- Fedora 20
- Fedora 19
- Fedora 18
Collaboration

SUBMIT → FIX → FORK
Interconnect
Open Source

A generic system to build and distribute packages from sources in an automatic, consistent and reproducible way. Release your software for a wide range of operating systems and hardware architectures.

http://openbuildservice.org/

open-build-service /
Open Build Service

Let's start
Creating Packages

1. Create a package
2. in your own home project
3. on the reference server
Building Packages

2

✔ Build a package
✔ locally on your laptop
✔ and on the reference server
Collaborating on Packages

3

- Branch a package
- Submit a merge request
- Review a merge request
Open Build Service
Some statistics
Reference Server

build.opensuse.org
Users
Users

- Distribution development, Maintenance Updates
- Open Source Communities
- Add-Ons: Driver Developer and ISVs
- Researchers/Universities
- Administration Teams
**Numbers** (from build.opensuse.org)

- Confirmed Users: >42,500
- Packages: >315,000
- Projects: >40,000

- Package builds per day: > 150,000
  - Build farm: ~40 hosts, ~450 workers
    (HW upgrade already planned)

- Storage:
  - Sources: 11 TBytes
  - Binaries: 19 TBytes
Support

● Community
  • opensuse-buildservice@opensuse.org
  • Irc: #opensuse-buildservice on freenode

● Professional

http://www.open-build-service.org/contact/
  • B1 Systems (L3 backing by SUSE)
Kudos: The development team

Henne Vogelsang

Adrian Schröter

Stephan Kulow

Michael Schröder
Thank you.

Learn more about the Open Build Service
www.openbuildservice.org